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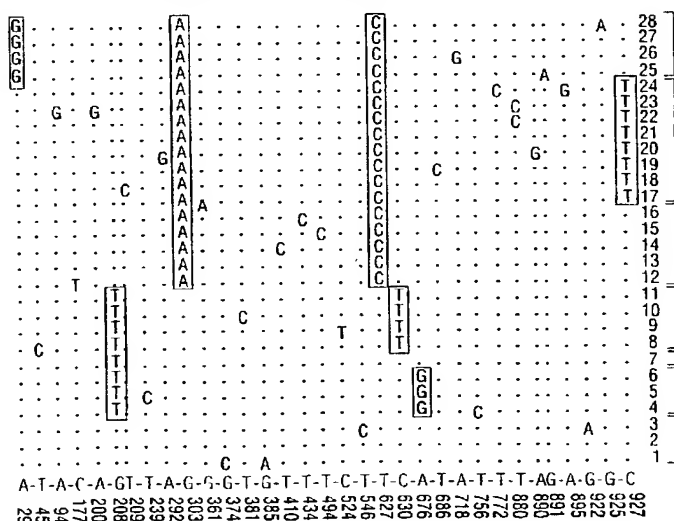
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[Continued on next page]

(54) Title: SCREENING FOR DISEASE SUSCEPTIBILITY BY GENOTYPING THE CCR5 AND CCR2 GENES

Unique CCR5 haplotypes



CCR5 human
haplogroups (HH)

CCR2	CCR5	HH
29	927	ORF
28	676	
27	630	
26	627	
25	303	
24	208	
23		
22		
21		
20		
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8		
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6		
5		
4		
3		
2		
1		

HHG
HHG*1 64V G G A C C A C WT
HHG*2 64V G G A C C A C Δ32

HHF
HHF*1 64V A G A C C A T WT
HHF*2 64I A G A C C A T WT

HHE 64V A G A C C A C WT

HHH 64V A T G T T A C WT

HHB 64V A T G T C A C WT
HHC 64V A T G T C G C WT

HHA 64V A G G T C A C WT
64V A G G T C A C WT

(57) Abstract: Provided are compositions, methods and uses for identifying persons at an increased risk of infection by, transmission of, or accelerated progression of a disease caused by an HIV-1 virus. Diagnostic, prognostic and combined therapeutic kits are also provided.

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